

## SECURE DATA STORAGE AND RETRIEVAL IN A CLIENT-SERVER ENVIRONMENT

### Abstract of the Disclosure

Methods, systems and computer program products are provided for controlling access to digital data in a file by obtaining a passphrase from a user and generating a personal key based on the obtained  
5 passphrase. A file encryption key is generated and the digital data in the file encrypted with the file encryption key to provide an encrypted file. The file encryption key is encrypted with the personal key to provide an encrypted file encryption key. A file  
10 header containing the encrypted file encryption key and associated with the encrypted file. The encrypted file and the file header associated with the encrypted file may be stored at a file server.

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